PATENT COOPERATION TREATY **PCT**

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

97.11W2005

Applicant's or agent's file reference K 1944 PCT International application No. PCT/US 03/39141			FOR FURTH	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)		
			International filir 10.12.2003	ng date (day/month/year)	. Priority date (day/month/year) · 10.01.2003	
	rnation 9C33/		C) or both national classif	fication and IPC	•	
	licant INNC	VATIVE PROPERTI	ES COMPANY et al.			
1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2.	This	REPORT consists of a	total of 5 sheets, inclu	uding this cover sheet.		
		been amended and a	re the basis for this ren	ES, i.e. sheets of the desc ort and/or sheets containi inistrative Instructions un	cription, claims and/or drawings which have ing rectifications made before this Authority der the PCT).	
These annexes consist of a total of sheets.						
3.	This	report contains indicati	ons relating to the follo	wing items:	<u> </u>	
	ı	☑ Basis of the opin	iion	•		
	11	☐ Priority				
	111		ent of opinion with rega	ard to novelty, inventive st	ep and industrial applicability	
	IV	☐ Lack of unity of i			op and modernal applicability	
	٧	Reasoned states	ment under Rule 66.2(a planations supporting s	a)(ii) with regard to novelt	y, inventive step or industrial applicability;	
	VI	☐ Certain docume				
	VII	☐ Certain defects i	n the international appl	lication		
٠	VIII	☐ Certain observa	ions on the internation	al application		
Date	of sub	mission of the demand		Date of completion	of this report	
03.0	06.200)4		11.04.2005		
Nam	e and n	nailing address of the inte	national	Authorized Officer		
preliminary examining authority: European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465			: 523656 epmu d	Attalia, G Telephone No. +49	89 2399-6004	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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 Basis of the repo 	r	1
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Description, Pages

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	1-2	2	as originally filed			
	Cla	ims, Numbers				
1-22			as originally filed			
	1-2	-	as originally filed			
	Dra	wings, Sheets				
	1/7-7/7		as originally filed			
2.	Wit lanç	With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.				
	The	ese elements were av	ailable or furnished to this Authority in the following language: , which is:			
		the language of a tr	anslation furnished for the purposes of the international search (under Rule 23.1(b)).			
			lication of the international application (under Rule 48.3(b)).			
		the language of a translation Rule 55.2 and/or 55.	anslation furnished for the purposes of international preliminary examination (under .3).			
3.	Witl inte	h regard to any nucl e rnational preliminary	eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:			
		contained in the inte	ernational application in written form.			
		filed together with th	e international application in computer readable form.			
		furnished subseque	ntly to this Authority in written form.			
		furnished subseque	ntly to this Authority in computer readable form.			
		The statement that to in the international a	the subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.			
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.			
1.	The	amendments have r	esulted in the cancellation of:			
		the description,	pages:			
		the claims,	Nos.:			
		the drawings,	sheets:			

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5. 📙	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: Claims

No:

1-22

Inventive step (IS)

Yes: Claims

Claims

No:

Claims 1-22

Industrial applicability (IA)

Yes: Claims

1-22

No: Claims

2. Citations and explanations

see separate sheet



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EXAMINATION REPORT - SEPARATE SHEET

Re Item V

1. Document WO-A-0152299 (D1) discloses a flexible mould (cf. page 6, line 10) comprising a layer (the "molding portion") having on the surface thereof a groove pattern of specified shape and size (cf. page 6, line 10-11), said mould layer containing an antistatic agent (e.g. lithium perchlorate; cf. page 7, line 7-8). The subject matter of claim 1 differs from D1 in that a lithium salt of an organic fluorine compound is used as antistatic agent.

The problem solved by replacing lithium perchlorate, which has highly oxidative properties, with a lithium salt of an organic fluorine compound is to improve the preparation and the handling of the antistatically treated moulding material for the grooved layer (c f. description, page 3, line 19-24).

Use of lithium salts of organic fluorine compounds as antistatic agents in coating compositions (cf. US-A-6004484 (D2), col. 3, line 27-55; US-A-5910517 (D3), col. 6, line 13-39) or in plastic compositions (cf. EP-A-603147 (D4), cf. claims 5,6) appears to be well known in the art. Although the above cited documents do not explicitly disclose that such compounds can be more easily manipulated than lithium perchlorate, it seems that a person skilled in the art, who has a general basic knowledge of chemistry, seeking a solution to the above mentioned problem would consider replacing lithium perchlorate with a lithium salt of a compound of the type disclosed in D2-D4, because it is immediately evident to him that the latter compounds do not have the highly oxidant character of the former. Therefore the subject matter of claim 1 does not appear to involve an inventive step, as requested under Art. 33(3) PCT.

- 2. Also the subject matter of claims 20 and 21, directed respectively to a method of manufacturing of the mould of claim 1 and to a method of manufacturing a fine structure by using the mould of claim 1, differs from D1 for the replacement of lithium perchlorate with a lithium salt of an organic fluorine compound as antistatic agent. Therefore, for the same reasons as in point 1 above, also the subject matter of claims 20 and 21 does not appear to involve an inventive step over D1.
- 3. The additional features of dependent claims 2 to 19 and 22 are either known from the prior art or they appear to be common measures for a person skilled in the art. Therefore also the subject matter of these claims does not meet the requirements of Art. 33 PCT.
- 4. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art



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disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.